

Title (en)
LIGHT SOURCE ASSEMBLY WITH IMPROVED COLOR UNIFORMITY

Title (de)
LICHTQUELLENANORDNUNG MIT VERBESSERTER FARBGLEICHMÄSSIGKEIT

Title (fr)
ENSEMBLE DE SOURCE DE LUMIÈRE AYANT UNE UNIFORMITÉ DE COULEUR AMÉLIORÉE

Publication
EP 3262695 A1 20180103 (EN)

Application
EP 16704463 A 20160216

Priority
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• EP 2016053237 W 20160216

Abstract (en)
[origin: WO2016135006A1] A light source assembly (1, 11, 13) comprising: a solid state lighting device (3); a wavelength converting element (4) arranged to receive light emitted by the solid state lighting device (3) and adapted to convert some of the received light to a different wavelength; and a scattering layer (7, 12, 14) applied to a light emitting surface (6) of the wavelength converting element (4). The scattering layer (7, 12, 14) is adapted to scatter light back to the wavelength converting element (4), and a backscattering strength of the scattering layer (7, 12, 14) varies over said light emitting surface (6) so as to reduce variations in the color of the light emitted from the light emitting surface (6).

IPC 8 full level
H01L 33/50 (2010.01); **H01L 33/44** (2010.01)

CPC (source: CN EP KR US)
H01L 33/44 (2013.01 - CN EP KR US); **H01L 33/50** (2013.01 - CN EP KR US); **H01L 33/54** (2013.01 - US); **H01L 33/58** (2013.01 - KR); **H05B 33/22** (2013.01 - EP US); **H01L 2224/8592** (2013.01 - US); **H01L 2924/181** (2013.01 - US); **H01L 2933/0058** (2013.01 - KR); **H01L 2933/0091** (2013.01 - CN EP KR US)

Citation (search report)
See references of WO 2016135006A1

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Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2016135006 A1 20160901; CN 107251242 A 20171013; EP 3262695 A1 20180103; EP 3262695 B1 20200422; JP 2018507557 A 20180315; JP 6920995 B2 20210818; KR 102510808 B1 20230317; KR 20170123644 A 20171108; TW 201705543 A 20170201; TW I725012 B 20210421; US 2018033920 A1 20180201

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EP 2016053237 W 20160216; CN 201680011777 A 20160216; EP 16704463 A 20160216; JP 2017543923 A 20160216; KR 20177026755 A 20160216; TW 105105169 A 20160222; US 201615552584 A 20160216